

WEST Search History

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DATE: Wednesday, August 31, 2005

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
		l27 and (((extract\$4) with (central\$2 or combin\$4 or combination\$4 or composite or center\$3 or add or adding or added or summing or sumed or sum or summation or integrat\$3)) with ("sub" or sub-image or ((partial\$2 or portion or part) with (imag\$4))))	
<input type="checkbox"/>	L50	l32 and (((extract\$4) with (central\$2 or combin\$4 or combination\$4 or composite or center\$3 or add or adding or added or summing or sumed or sum or summation or integrat\$3)) with ("sub" or sub-image or ((partial\$2 or portion or part) with (imag\$4))))	4
<input type="checkbox"/>	L49	l31 and (((extract\$4) with (central\$2 or combin\$4 or combination\$4 or composite or center\$3 or add or adding or added or summing or sumed or sum or summation or integrat\$3)) with ("sub" or sub-image or ((partial\$2 or portion or part) with (imag\$4))))	3
<input type="checkbox"/>	L48	l46 and (((extract\$4) with (central\$2 or combin\$4 or combination\$4 or composite or center\$3 or add or adding or added or summing or sumed or sum or summation or integrat\$3)) with ("sub" or sub-image or ((partial\$2 or portion or part) with (imag\$4))))	4
<input type="checkbox"/>	L47	l45 and((extract\$4) with (central\$2 or combin\$4 or combination\$4 or composite or center\$3 or add or adding or added or summing or sumed or sum or summation or integrat\$3)) with ("sub" or sub-image or ((partial\$2 or portion or part) with (imag\$4))))	3
<input type="checkbox"/>	L46	l37 and (extract\$4)	5
<input type="checkbox"/>	L44	5319309	7
<input type="checkbox"/>	L43	554584	23
<input type="checkbox"/>	L42	1205760	9
		L40 and ((extend\$4 or increas\$4 or larger or enlarging or expand\$4) with (field-of-view or "field of view" or fov or roi or voi or ((region or volume) with (interest or investigation))))	
<input type="checkbox"/>	L41	L39 and ((adjust\$4 or control\$4 or variable or vary or varying or varied or alter\$4 or chang\$4 or modify or modifi\$4) with (frequency or phase))	12
<input type="checkbox"/>	L39	L29 and (parallel with direction with imag\$4)	15
<input type="checkbox"/>	L38	L29 and (((parallel) with (motion or movement or moving or moved or move or proceeds or proceeding or traversing or scaning or scanned or scan or translat\$4)) with (patient or object or subject or sample or target))	13
<input type="checkbox"/>	L37	L34 and (((parallel) with (motion or movement or moving or moved or move or proceeds or proceeding or traversing or scaning or scanned or scan or translat\$4)) with (patient or object or subject or sample or target))	7
<input type="checkbox"/>	L36	L35 and (((parallel) with (motion or movement or moving or moved or move or proceeds or proceeding or traversing or scaning or scanned or scan or	7

<input type="checkbox"/>	translat\$4)) with (patient or object or subject or sample or target))	
<input type="checkbox"/>	L35 L34 and (axis or axial\$2 or "z")	20
<input type="checkbox"/>	L34 L33 and ((adjust\$4 or control\$4 or variable or vary or varying or varied or alter\$4 or chang\$4 or modify or modifi\$4) with (frequency or phase))	21
<input type="checkbox"/>	L33 L32 and (adjust\$4 or control\$4 or variable or vary or varying or varied or alter\$4 or chang\$4 or modify or modifi\$4)	21
	L31 and ((extend\$4 or increas\$4 or larger or enlarging or expand\$4) with	
<input type="checkbox"/>	L32 (field-of-view or "field of view" or fov or roi or voi or ((region or volume) with (interest or investigation))))	21
<input type="checkbox"/>	L31 L30 and L29	45
<input type="checkbox"/>	L30 L28 and (extend\$4 or increas\$4 or larger or enlarging or expand\$4)	45
<input type="checkbox"/>	L29 L28 and (imag\$4 with (patient or object or subject or sample or target))	46
<input type="checkbox"/>	L28 L27 and ((frequency or phase or slice or slab or gradient) with encod\$4)	46
<input type="checkbox"/>	L27 L26 and (field-of-view or "field of view" or fov or roi or voi or ((region or volume) with (interest or investigation)))	51
	L25 and (central\$2 or combin\$4 or combination\$4 or composite or center\$3 or	
<input type="checkbox"/>	L26 add or adding or added or summing or sumed or sum or summation or integrat\$3)	118
<input type="checkbox"/>	L25 L24 and ("sub" or sub-image or ((partial\$2 or portion or part) with (imag\$4)))	119
<input type="checkbox"/>	L24 L23 and (encod\$4)	138
<input type="checkbox"/>	L23 L22 and ((slab or slice or volume or plane) with (array or plurality or multiple or group or "more than one" or "multi"))	200
<input type="checkbox"/>	L22 L21 and (slab or slice or volume or plane)	343
<input type="checkbox"/>	L21 L20 and (array or plurality or multiple or group or "more than one" or "multi")	346
<input type="checkbox"/>	L20 L19 and (mount\$4 or fix\$3 or afix\$3 or secur\$3 or attach\$3 or stationary or moveable or fixture)	362
<input type="checkbox"/>	L19 L18 and (static or constant or uniform\$4 or homogeneity or homogenous or main)	415
<input type="checkbox"/>	L18 L17 and (radiofrequency or radio-frequency or RF or "radio frequency")	427
<input type="checkbox"/>	L17 L16 and (gradient)	660
<input type="checkbox"/>	L16 L8 and ((position\$4 or orient\$4 or locat\$4 or orientation or direction) with (image or parallel))	1811
<input type="checkbox"/>	L15 L14 and (slab or slice or volume or plane)	252
<input type="checkbox"/>	L14 L13 and (array or plurality or multiple or group or "more than one" or "multi")	254
<input type="checkbox"/>	L13 L12 and (mount\$4 or fix\$3 or afix\$3 or secur\$3 or attach\$3 or stationary or moveable or fixture)	265
<input type="checkbox"/>	L12 L11 and (static or constant or uniform\$4 or homogeneity or homogenous or main)	310
<input type="checkbox"/>	L11 L10 and (radiofrequency or radio-frequency or RF or "radio frequency")	317
<input type="checkbox"/>	L10 L9 and (gradient)	449
<input type="checkbox"/>	L9 L8 and ((position\$4 or orient\$4 or locat\$4 or orientation or direction) with (image or parallel))	1162

<input type="checkbox"/>	L8	L7 and (detect\$4 or sens\$4 or receiv\$4 or reception)	2207
<input type="checkbox"/>	L7	L6 and ((parallel) with (motion or movement or moving or moved or move or proceeds or proceeding or traversing or scaning or scaned or scan or translat\$4))	2378
<input type="checkbox"/>	L6	L5 and (parallel)	22478
<input type="checkbox"/>	L5	L4 and (position\$4 or orient\$4 or locat\$4 or orientation)	67825
<input type="checkbox"/>	L4	L3 and (patient or object or subject or sample or target)	86057
<input type="checkbox"/>	L3	L1 and (motion or movement or moving or moved or move or proceeds or proceeding or traversing or scaning or scaned or scan or translat\$4)	94687
<input type="checkbox"/>	L2	L1 and (motion or movement or moving or moved or move or proceeds or proceeding or traversing or scaning or scaned or scan)	87648
<input type="checkbox"/>	L1	((magnetic adj resonance) or MRI or NMR)	210070

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 21 of 21 returned.

1. Document ID: US 20040263167 A1

Using default format because multiple data bases are involved.

L34: Entry 1 of 21

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040263167

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040263167 A1

TITLE: Parallel imaging based on expanded unfolding technique

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Machida, Yoshio	Nasu-Gun		JP	
Ichinose, Nobuyasu	Otawara-Shi		JP	
Uchizono, Shinichi	Nasu-Gun		JP	

US-CL-CURRENT: 324/309; 324/307, 600/410

[Full](#) [Title](#) [Citation](#) [Print](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Create D](#)

2. Document ID: US 20040204644 A1

L34: Entry 2 of 21

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040204644

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040204644 A1

TITLE: Fusion of multiple imaging planes for isotropic imaging in MRI and quantitative image analysis using isotropic or near-isotropic imaging

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsougarakis, Konstantinos	<u>Mountain</u> View	CA	US	
Steines, Daniel	Palo Alto	CA	US	
Timsari, Bijan	San Diego	CA	US	

US-CL-CURRENT: 600/410; 324/309, 382/128, 424/9.2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [PMC](#) [Drawings](#)

3. Document ID: US 20040155654 A1

L34: Entry 3 of 21

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040155654

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040155654 A1

TITLE: Moving table MRI with frequency-encoding in the z-direction

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brittain, Jean Helen	Menlo Park	CA	US	

US-CL-CURRENT: 324/309

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [PMC](#) [Drawings](#)

4. Document ID: US 20040152969 A1

L34: Entry 4 of 21

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040152969

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040152969 A1

TITLE: Method and magnetic resonance apparatus for calibrating coil sensitivities

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhang, Qiang	Chicago	IL	US	
Wang, Jianmin	Shenzhen	IL	CN	
Simonetti, Orlando	Chicago	IL	US	
Laub, Gerhard	Chicago		US	
Kiefer, Berthold	Erlangen		DE	

US-CL-CURRENT: 600/422; 324/307, 324/318

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [PMC](#) [Drawings](#)

5. Document ID: US 20040070394 A1

L34: Entry 5 of 21

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gonzalez Ballester, Miguel Angel	Nice		FR	
Machida, Yoshio	Nasu-Gun		JP	

US-CL-CURRENT: 324/307; 324/309[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMD](#) [Drawings](#) 6. Document ID: US 20040051529 A1

L34: Entry 6 of 21

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051529

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040051529 A1

TITLE: Method and system for extended volume imaging using MRI with parallel reception

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhu, Yudong	Clifton Park	NY	US	
Dumoulin, Charles Lucian	Ballston Lake	NY	US	

US-CL-CURRENT: 324/318; 324/307, 324/309[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMD](#) [Drawings](#) 7. Document ID: US 20030139660 A1

L34: Entry 7 of 21

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139660

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139660 A1

TITLE: Magnetic resonance imaging using technique of positioning multi-slabs to be imaged

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tatebayashi, Isao	Utsunomiya-shi		JP	
Takabayashi, Naoyuki	Otawara-Shi		JP	
Furudate, Naoyuki	Otawara-Shi		JP	

US-CL-CURRENT: 600/407

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [DRAFT](#)

8. Document ID: US 20030100825 A1

L34: Entry 8 of 21

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100825 A1

TITLE: METHOD AND SYSTEM FOR EXTENDED VOLUME IMAGING USING MRI

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Demoulin, Charles Lucian	Ballston Lake	NY	US	
Zhu, Yudong	Clifton Park	NY	US	

US-CL-CURRENT: 600/410

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [DRAFT](#)

9. Document ID: US 20030011369 A1

L34: Entry 9 of 21

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030011369

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030011369 A1

TITLE: Moving table MRI with frequency-encoding in the z-direction

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
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Brittain, Jean H.	Palo Alto	CA	US
Pauly, John M.	Redwood City	CA	US

US-CL-CURRENT: 324/309; 324/307, 324/318

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [TOC](#) | [Draws](#)

10. Document ID: US 20020180439 A1

L34: Entry 10 of 21

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020180439

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020180439 A1

TITLE: Apparatus for magnetic resonance imaging having a planar strip array antenna including systems and methods related thereto

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Ray F.	Clifton-Park	NY	US	

US-CL-CURRENT: 324/318; 324/322

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [TOC](#) | [Draws](#)

11. Document ID: US 20020140423 A1

L34: Entry 11 of 21

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020140423

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020140423 A1

TITLE: Moving table MRI with frequency-encoding in the z-direction

PUBLICATION-DATE: October 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Brittain, Jean Helen	Menlo Park	CA	US	

US-CL-CURRENT: 324/301; 324/309

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12. Document ID: US 20010043068 A1

L34: Entry 12 of 21

File: PGPB

Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010043068
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010043068 A1

TITLE: Method for parallel spatial encoded MRI and apparatus, systems and other methods related thereto

PUBLICATION-DATE: November 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Ray F.	Clifton-Park	NY	US	

US-CL-CURRENT: 324/309; 324/307, 324/318

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMD](#) [Drawings](#)

13. Document ID: US 6897655 B2

L34: Entry 13 of 21

File: USPT

May 24, 2005

US-PAT-NO: 6897655
DOCUMENT-IDENTIFIER: US 6897655 B2

TITLE: Moving table MRI with frequency-encoding in the z-direction

DATE-ISSUED: May 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brittain; Jean H.	Palo Alto	CA		
Pauly; John M.	Redwood City	CA		

US-CL-CURRENT: 324/309; 324/306, 324/307, 324/318, 600/410, 600/415

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMD](#) [Drawings](#)

14. Document ID: US 6891374 B2

L34: Entry 14 of 21

File: USPT

May 10, 2005

US-PAT-NO: 6891374
DOCUMENT-IDENTIFIER: US 6891374 B2

TITLE: Moving table MRI with frequency-encoding in the z-direction

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brittain; Jean Helen	Menlo Park	CA		

US-CL-CURRENT: 324/309; 324/307, 324/318, 600/410, 600/415[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [TOC](#) [Group](#) 15. Document ID: US 6794869 B2

L34: Entry 15 of 21

File: USPT

Sep 21, 2004

US-PAT-NO: 6794869

DOCUMENT-IDENTIFIER: US 6794869 B2

** See image for Certificate of Correction **TITLE: Moving table MRI with frequency-encoding in the z-direction

DATE-ISSUED: September 21, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brittain; Jean Helen	Menlo Park	CA		

US-CL-CURRENT: 324/309; 324/306, 324/307, 324/318, 600/410, 600/415[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [TOC](#) [Group](#) 16. Document ID: US 6771070 B2

L34: Entry 16 of 21

File: USPT

Aug 3, 2004

US-PAT-NO: 6771070

DOCUMENT-IDENTIFIER: US 6771070 B2

TITLE: Apparatus for magnetic resonance imaging having a planar strip array antenna including systems and methods related thereto

DATE-ISSUED: August 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Ray F	Clifton-Park	NY		

US-CL-CURRENT: 324/318; 343/700MS[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [TOC](#) [Group](#) 17. Document ID: US 6704594 B1

L34: Entry 17 of 21

File: USPT

Mar 9, 2004

US-PAT-NO: 6704594
DOCUMENT-IDENTIFIER: US 6704594 B1

TITLE: Magnetic resonance imaging device

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Blank; Aharon	Kiriat Ono			IL
Alexandrowicz; Gil	Jerusalem			IL
Golan; Erez	Tel Aviv			IL

US-CL-CURRENT: 600/423; 128/899, 324/318, 324/322, 600/407, 600/409, 600/410,
600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	TOIC	Drawn
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 18. Document ID: US 6584337 B2

L34: Entry 18 of 21

File: USPT

Jun 24, 2003

US-PAT-NO: 6584337
DOCUMENT-IDENTIFIER: US 6584337 B2

TITLE: Method and system for extended volume imaging using MRI

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles Lucian	Ballston Lake	NY		
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/410; 324/309, 600/415

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	TOIC	Drawn
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 19. Document ID: US 6476606 B2

L34: Entry 19 of 21

File: USPT

Nov 5, 2002

US-PAT-NO: 6476606
DOCUMENT-IDENTIFIER: US 6476606 B2

TITLE: Method for parallel spatial encoded MRI and apparatus, systems and other
methods related thereto

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Ray F	Clifton-Park	NY		

US-CL-CURRENT: 324/309; 324/307, 324/318

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20. Document ID: US 5910728 A

L34: Entry 20 of 21

File: USPT

Jun 8, 1999

US-PAT-NO: 5910728

DOCUMENT-IDENTIFIER: US 5910728 A

TITLE: Simultaneous acquisition of spatial harmonics (SMASH): ultra-fast imaging with radiofrequency coil arrays

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sodickson; Daniel Kevin	Cambridge	MA		

US-CL-CURRENT: 324/309

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUD](#) | [Drawings](#)

21. Document ID: US 4609872 A

L34: Entry 21 of 21

File: USPT

Sep 2, 1986

US-PAT-NO: 4609872

DOCUMENT-IDENTIFIER: US 4609872 A

TITLE: NMR multiple-echo phase-contrast blood flow imaging

DATE-ISSUED: September 2, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
O'Donnell; Matthew	Schenectady	NY		

US-CL-CURRENT: 324/306; 324/309

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KUD](#) | [Drawings](#)

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VARIES	742917
VARYS	466
VARYING	1282830
VARYINGS	8
VARIED	1150832
VARIEDS	0
MODIFY	332188
MODIFIES	83929
(L33 AND ((ADJUST\$4 OR CONTROL\$4 OR VARIABLE OR VARY OR VARYING OR VARIED OR ALTER\$4 OR CHANG\$4 OR MODIFY OR MODIFI\$4) WITH (FREQUENCY OR PHASE))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	21

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Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20040263167 A1

Using default format because multiple data bases are involved.

L37: Entry 1 of 7

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040263167

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040263167 A1

TITLE: Parallel imaging based on expanded unfolding technique

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Machida, Yoshio	Nasu-Gun		JP	
Ichinose, Nobuyasu	Otawara-Shi		JP	
Uchizono, Shinichi	Nasu-Gun		JP	

US-CL-CURRENT: 324/309; 324/307, 600/410

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Create TOC](#)

2. Document ID: US 20040204644 A1

L37: Entry 2 of 7

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040204644

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040204644 A1

TITLE: Fusion of multiple imaging planes for isotropic imaging in MRI and quantitative image analysis using isotropic or near-isotropic imaging

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsougarakis, Konstantinos	Mountain View	CA	US	
Steines, Daniel	Palo Alto	CA	US	
Timsari, Bijan	San Diego	CA	US	

US-CL-CURRENT: 600/410; 324/309, 382/128, 424/9.2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Drawings](#)

3. Document ID: US 20040152969 A1

L37: Entry 3 of 7

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040152969

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040152969 A1

TITLE: Method and magnetic resonance apparatus for calibrating coil sensitivities

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhang, Qiang	Chicago	IL	US	
Wang, Jianmin	Shenzhen	IL	CN	
Simonetti, Orlando	Chicago	IL	US	
Laub, Gerhard	Chicago		US	
Kiefer, Berthold	Erlangen		DE	

US-CL-CURRENT: 600/422; 324/307, 324/318

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Drawings](#)

4. Document ID: US 20040070394 A1

L37: Entry 4 of 7

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gonzalez Ballester, Miguel Angel	Nice		FR	
Machida, Yoshio	Nasu-Gun		JP	

US-CL-CURRENT: 324/307; 324/309

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Drawings](#)

5. Document ID: US 20040051529 A1

L37: Entry 5 of 7

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051529

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040051529 A1

TITLE: Method and system for extended volume imaging using MRI with parallel reception

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhu, Yudong	Clifton Park	NY	US	
Dumoulin, Charles Lucian	Ballston Lake	NY	US	

US-CL-CURRENT: 324/318; 324/307, 324/309[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#) 6. Document ID: US 20030100825 A1

L37: Entry 6 of 7

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100825 A1

TITLE: METHOD AND SYSTEM FOR EXTENDED VOLUME IMAGING USING MRI

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Demoulin, Charles Lucian	Ballston Lake	NY	US	
Zhu, Yudong	Clifton Park	NY	US	

US-CL-CURRENT: 600/410[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#) 7. Document ID: US 6584337 B2

L37: Entry 7 of 7

File: USPT

Jun 24, 2003

US-PAT-NO: 6584337

DOCUMENT-IDENTIFIER: US 6584337 B2

TITLE: Method and system for extended volume imaging using MRI

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles Lucian	Ballston Lake	NY		
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/410; 324/309, 600/415

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Text](#) [Image](#) [Claims](#) [Kinds](#) [Drawings](#)

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Term	Documents
PARALLEL	3297987
PARALLELS	17779
MOTION	1205685
MOTIONS	103872
MOVEMENT	3066057
MOVEMENTS	436889
MOVING	2359972
MOVINGS	103
MOVED	2354600
MOVEDS	7
MOVE	2537361
(L34 AND (((PARALLEL) WITH (MOTION OR MOVEMENT OR MOVING OR MOVED OR MOVE OR PROCEEDS OR PROCEEDING OR TRAVERSING OR SCANING OR SCANED OR SCAN OR TRANSLAT\$4)) WITH (PATIENT OR OBJECT OR SUBJECT OR SAMPLE OR TARGET))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	7

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[Generate GACS](#)

Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20040051529 A1

Using default format because multiple data bases are involved.

L49: Entry 1 of 3

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051529

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040051529 A1

TITLE: Method and system for extended volume imaging using MRI with parallel reception

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhu, Yudong	Clifton Park	NY	US	
Dumoulin, Charles Lucian	Ballston Lake	NY	US	

US-CL-CURRENT: 324/318; 324/307, 324/309

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KUDOC](#) [Drawings](#)

2. Document ID: US 20030100825 A1

L49: Entry 2 of 3

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100825 A1

TITLE: METHOD AND SYSTEM FOR EXTENDED VOLUME IMAGING USING MRI

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Demoulin, Charles Lucian	Ballston Lake	NY	US	
Zhu, Yudong	Clifton Park	NY	US	

US-CL-CURRENT: 600/410

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINDC](#) | [Previous](#) | [Next](#)

3. Document ID: US 6584337 B2

L49: Entry 3 of 3

File: USPT

Jun 24, 2003

US-PAT-NO: 6584337

DOCUMENT-IDENTIFIER: US 6584337 B2

TITLE: Method and system for extended volume imaging using MRI

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles Lucian	Ballston Lake	NY		
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/410; 324/309, 600/415

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINDC](#) | [Previous](#) | [Next](#)

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Term	Documents
COMPOSITE	726558
COMPOSITES	83289
ADD	1057169
ADDS	337282
ADDING	1467463
ADDINGS	38
ADDED	2617199
ADDEDS	8
SUMMING	99562
SUMMINGS	27
SUMED	10498
(L32 AND (((EXTRACT\$4) WITH (CENTRAL\$2 OR COMBIN\$4 OR COMBINATION\$4 OR COMPOSITE OR CENTER\$3 OR ADD OR ADDING OR ADDED OR SUMMING OR SUMED OR SUM OR SUMMATION OR INTEGRAT\$3)) WITH ("SUB" OR SUB-IMAGE OR ((PARTIAL\$2 OR PORTION OR PART) WITH (IMAG\$4)))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20040204644 A1

Using default format because multiple data bases are involved.

L45: Entry 1 of 5

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040204644

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040204644 A1

TITLE: Fusion of multiple imaging planes for isotropic imaging in MRI and quantitative image analysis using isotropic or near-isotropic imaging

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tsougarakis, Konstantinos	<u>Mountain</u> View	CA	US	
Steines, Daniel	Palo Alto	CA	US	
Timsari, Bijan	San Diego	CA	US	

US-CL-CURRENT: 600/410; 324/309, 382/128, 424/9.2

For	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	TOC	Search
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2. Document ID: US 20040070394 A1

L45: Entry 2 of 5

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Gonzalez Ballester, Miguel Angel	Nice		FR	
Machida, Yoshio	Nasu-Gun		JP	

US-CL-CURRENT: 324/307; 324/309

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

3. Document ID: US 20040051529 A1

L45: Entry 3 of 5

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051529

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040051529 A1

TITLE: Method and system for extended volume imaging using MRI with parallel reception

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhu, Yudong	Clifton Park	NY	US	
Dumoulin, Charles Lucian	Ballston Lake	NY	US	

US-CL-CURRENT: 324/318; 324/307, 324/309

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

4. Document ID: US 20030100825 A1

L45: Entry 4 of 5

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100825 A1

TITLE: METHOD AND SYSTEM FOR EXTENDED VOLUME IMAGING USING MRI

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Demoulin, Charles Lucian	Ballston Lake	NY	US	
Zhu, Yudong	Clifton Park	NY	US	

US-CL-CURRENT: 600/410

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

5. Document ID: US 6584337 B2

L45: Entry 5 of 5

File: USPT

Jun 24, 2003

US-PAT-NO: 6584337
DOCUMENT-IDENTIFIER: US 6584337 B2

TITLE: Method and system for extended volume imaging using MRI

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles Lucian	Ballston Lake	NY		
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/410; 324/309, 600/415

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Claims](#) [Cited](#) [Drawn](#)

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Term	Documents
EXTRACT\$4	0
EXTRACT	538523
EXTRACTA	152
EXTRACTAAT	1
EXTRACTAB	15
EXTRACTABE	3
EXTRACTABI	2
EXTRACTABIC	1
EXTRACTABIE	23
EXTRACTABIL	4
EXTRACTABL	22
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1. Document ID: US 20040051529 A1

Using default format because multiple data bases are involved.

L47: Entry 1 of 3

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051529

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040051529 A1

TITLE: Method and system for extended volume imaging using MRI with parallel reception

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhu, Yudong	Clifton Park	NY	US	
Dumoulin, Charles Lucian	Ballston Lake	NY	US	

US-CL-CURRENT: 324/318; 324/307, 324/309

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [EPOC](#) [Drawings](#)

2. Document ID: US 20030100825 A1

L47: Entry 2 of 3

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100825 A1

TITLE: METHOD AND SYSTEM FOR EXTENDED VOLUME IMAGING USING MRI

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Demoulin, Charles Lucian	Ballston Lake	NY	US	
Zhu, Yudong	Clifton Park	NY	US	

US-CL-CURRENT: 600/410

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [TOC](#) | [Drawings](#)

3. Document ID: US 6584337 B2

L47: Entry 3 of 3

File: USPT

Jun 24, 2003

US-PAT-NO: 6584337

DOCUMENT-IDENTIFIER: US 6584337 B2

TITLE: Method and system for extended volume imaging using MRI

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles Lucian	Ballston Lake	NY		
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/410; 324/309, 600/415

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [TOC](#) | [Drawings](#)

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Term	Documents
COMPOSITE	726558
COMPOSITES	83289
ADD	1057169
ADDS	337282
ADDING	1467463
ADDINGS	38
ADDED	2617199
ADDEDS	8
SUMMING	99562
SUMMINGS	27
SUMED	10498
(L46 AND (((EXTRACT\$4) WITH (CENTRAL\$2 OR COMBIN\$4 OR COMBINATION\$4 OR COMPOSITE OR CENTER\$3 OR ADD OR ADDING OR ADDED OR SUMMING OR SUMED OR SUM OR SUMMATION OR INTEGRAT\$3)) WITH ("SUB" OR SUB-IMAGE OR ((PARTIAL\$2 OR PORTION OR PART) WITH (IMAG\$4)))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20040051529 A1

Using default format because multiple data bases are involved.

L48: Entry 1 of 4

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051529

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040051529 A1

TITLE: Method and system for extended volume imaging using MRI with parallel reception

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zhu, Yudong	Clifton Park	NY	US	
Dumoulin, Charles Lucian	Ballston Lake	NY	US	

US-CL-CURRENT: 324/318; 324/307, 324/309

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [KMD](#) [Drawings](#)

2. Document ID: US 20030100825 A1

L48: Entry 2 of 4

File: PGPB

May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100825

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030100825 A1

TITLE: METHOD AND SYSTEM FOR EXTENDED VOLUME IMAGING USING MRI

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dumoulin, Charles Lucian	Ballston Lake	NY	US	
Zhu, Yudong	Clifton Park	NY	US	

US-CL-CURRENT: 600/410

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIN](#) [Draw](#)

3. Document ID: US 20020188193 A1

L48: Entry 3 of 4

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188193

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020188193 A1

TITLE: Combined apparatus for imaging the inner part of a body, and method thereof

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Biglieri, Eugenio	Masio		IT	
Pugliese, Osvaldo	Genova		IT	
Bessi, Lorenzo	Firenze		IT	
Satragni, Luigi	Genova		IT	
Schiavini, Luciano	Crema		IT	

US-CL-CURRENT: 600/411; 600/407, 600/437

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIN](#) [Draw](#)

4. Document ID: US 6584337 B2

L48: Entry 4 of 4

File: USPT

Jun 24, 2003

US-PAT-NO: 6584337

DOCUMENT-IDENTIFIER: US 6584337 B2

TITLE: Method and system for extended volume imaging using MRI

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dumoulin; Charles Lucian	Ballston Lake	NY		
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/410; 324/309, 600/415

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KIN](#) [Draw](#)

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Fwd Refs

Bkwd Refs

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Term	Documents
COMPOSITE	726558
COMPOSITES	83289
ADD	1057169
ADDS	337282
ADDING	1467463
ADDINGS	38
ADDED	2617199
ADDEDS	8
SUMMING	99562
SUMMINGS	27
SUMED	10498
(L31 AND (((EXTRACT\$4) WITH (CENTRAL\$2 OR COMBIN\$4 OR COMBINATION\$4 OR COMPOSITE OR CENTER\$3 OR ADD OR ADDING OR ADDED OR SUMMING OR SUMED OR SUM OR SUMMATION OR INTEGRAT\$3)) WITH ("SUB" OR SUB-IMAGE OR ((PARTIAL\$2 OR PORTION OR PART) WITH (IMAG\$4))))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	4

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